

Claims

1. A cutting tool for parting and grooving operations, comprising a coupling part (1), which is intended for mounting the cutting tool in a machine tool, and a tool head (2) detachably connected to the coupling part, the tool head comprising a basic holder part (8) and, joined to the basic holder part, a blade part (9), in the front portion of which an insert pocket (10) is formed, in which a cutting insert (11) is fastenable, the cutting tool comprising means for supplying cooling agent to the cutting insert, characterized in that said cooling agent supplying means include a tube member (24), which is mounted in a recess (16), which is transverse to the longitudinal direction of the blade part and arranged in the tool head (2), the tube member having an inlet (25) for connection to a cooling agent source and an outlet (26) for leading the cooling agent in a direction towards the cutting insert (11).

2. A cutting tool according to claim 1, characterized in that the basic holder part (8) and the blade part (9) are formed in one piece, the basic holder part having considerably larger width than the blade part.

3. A cutting tool according to claim 1 or 2, characterized in that the transverse recess (16), in which said tube member (24) is mounted, is arranged in the basic holder part (8) of the tool head (2).

4. A cutting tool according to any of the preceding claims, characterized in that the tube member (24) receiving recess (16) in the tool head (2) has a longitudinal extension substantially perpendicular to the longitudinal extension of the blade part (9).

5. A cutting tool according to any of the preceding claims, characterized in that the tube member (24) receiving recess (16) in the tool head (2) is a through hole.

6. A cutting tool according to any of the preceding claims, characterized in that the outlet (26) of the tube member (24) is arranged at substantially the same level vertically as the cutting insert (11) in the insert pocket (10).

5 7. A cutting tool according to any of the preceding claims, characterized in that the tube member (24) has a substantially cylindrical basic shape and has at least two sections (29, 30) with different diameters.

10 8. A cutting tool according to any of the preceding claims, characterized in that there is provided, in the tool head (2), a leading channel (15) for cooling agent from the recess (16) of the tool head to the insert pocket (10).

15 9. A cutting tool according to any of the preceding claims, characterized in that the coupling part (1) has a recess (27) for receiving a part of said tube member (24), and that the tube member is adapted to be received partly in the recess (16) of the tool head and partly in the recess (27) of the coupling part, when the coupling part (1) and the tool head (2) are connected with each other.

20 10. A tool head (2) for a cutting tool for parting and grooving operations, which is detachably connectable to a coupling part (1) of the cutting tool and which has a blade part (9), in the front portion of which an insert pocket (10) is formed, in which a cutting insert (11) is fastenable, characterized in that it has a recess (16) transverse to the longitudinal direction of the blade part (9), in which recess a tube member (24) is mounted, the tube member having an inlet (25) for connection to a cooling agent source and an outlet (26) for leading the cooling agent in a direction towards the cutting insert (11).